



OrthoRobo

THE ROBOTIC JOINT REPLACEMENT CENTER



Welcome to
**FUTURE
FORWARD**

MISSO
ROBOTIC SYSTEM

SHREEYASH HOSPITAL JOINT REPLACEMENT
CENTER



Agile

- MISSO Robotic system offers real-time assistance to surgeons during procedures. Surgeons can make precise adjustments and fine-tune implant placement with unparalleled accuracy.

Safe

- The MISSO Robotic System ensures safety by halting if bone movement exceeds 4mm.
- Its autonomy reduces the need for human intervention, minimizing infection risks.

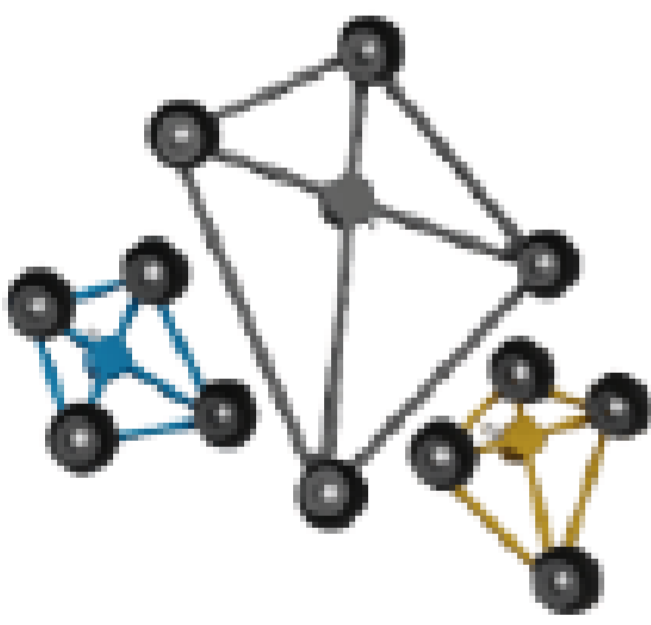
MISSO[®]
Robotic System

SYSTEM SETUP

MARKER TEST

CALIBRATION

CUTTER TEST



INITIALIZATION

SETUP

MAPPING

RESECTION

RESULT

INITIALIZATION

SETUP

MAPPING

RESECTION

RESULT

3

Precision

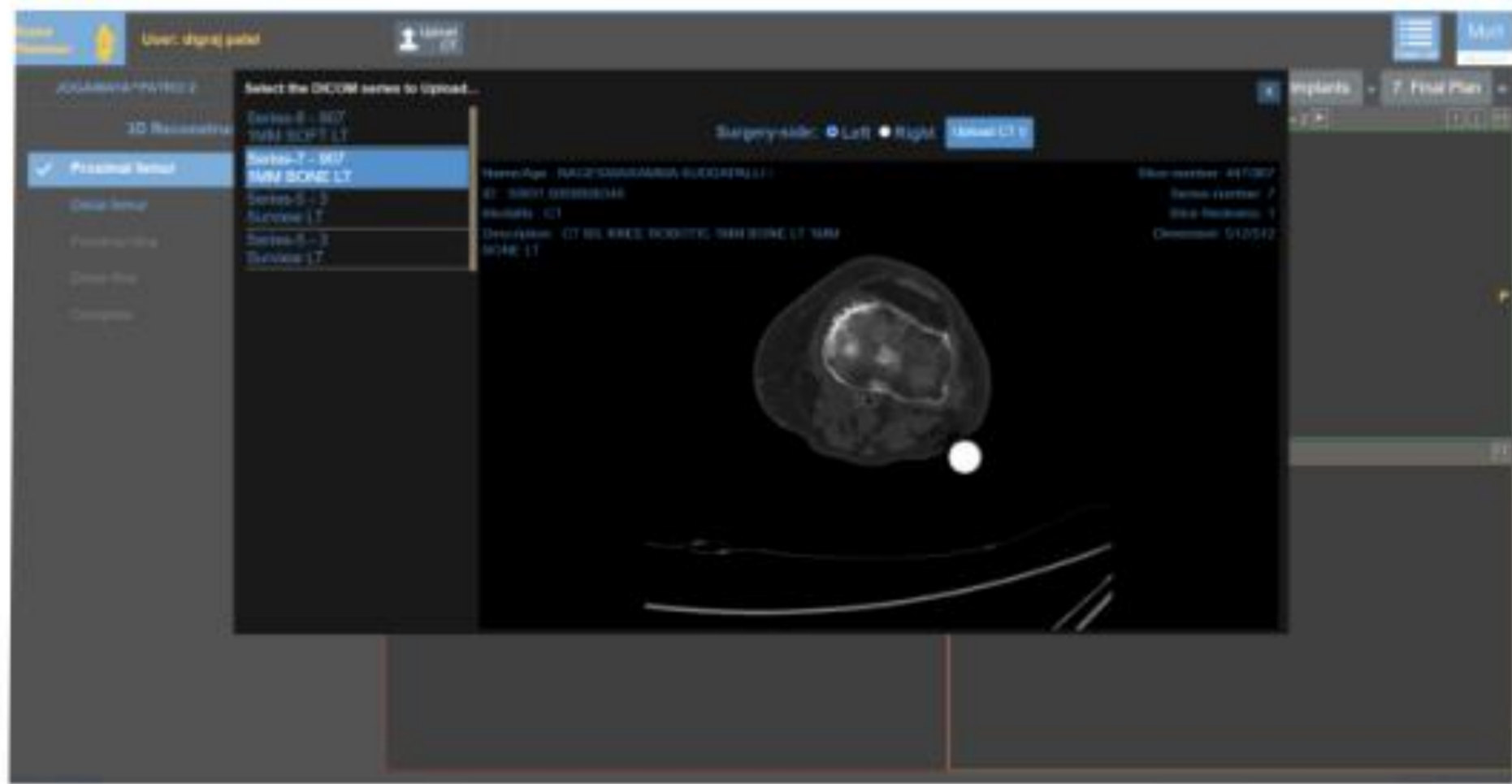
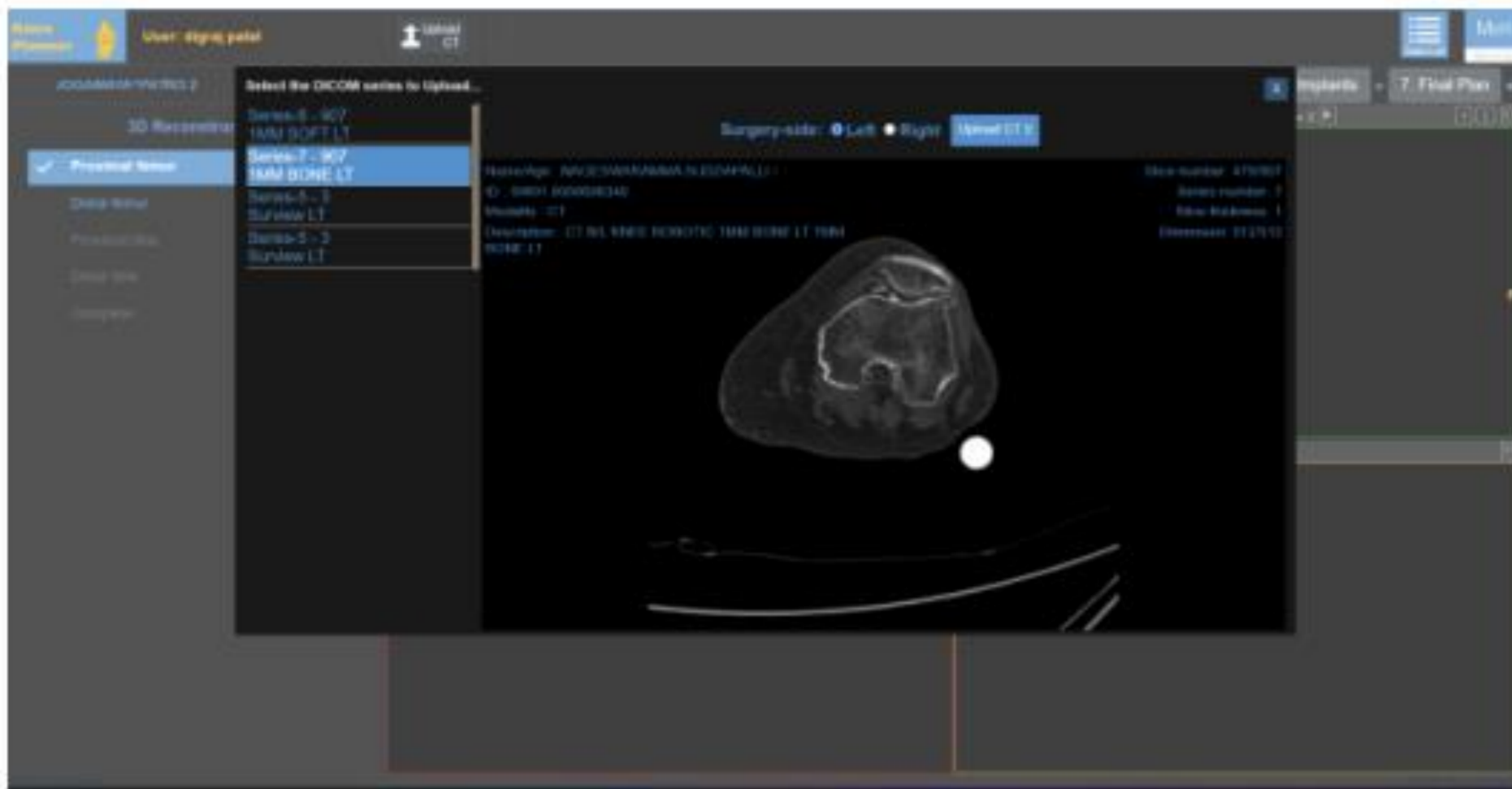
Submillimeter resection accuracy for optimum implant alignment

- MISSO robotic system provides sub-millimeter precise cutting.
- It employs computer-assisted navigation and robotic assistance for accurate alignment and shaping of knee joint components.



4 Personalized

Personalized 3D pre-planning



**CT SCAN OF PATIENT
TRANSFORMED INTO
3D REPLICA**



**PERSONALIZED PLAN IS CREATED
AND DISPLAYED BASED ON THE
PATIENT-SPECIFIC BONE**



Dr. Sourabh Kulkarni's

OrthoRobo

THE ROBOTIC JOINT REPLACEMENT CENTER

Mumbai's First Fully Automated Robotic Joint Replacement

Precision and Innovation Available at

Shreeyash Hospital

मुंबई मधील
पहिला पूर्णपणे स्वयंचलित
जाईंट रिप्लेसमेंट रोबोट

श्रीयश हॉस्पिटल ऑर्थोपेडिक सेंटर

मध्ये कार्यरत



Know Your Surgeon



डॉ. सौरभ कुलकर्णी
सिनियर रोबोटिक सांधा बदली तज्ज्ञ

DR. SOURABH S. KULKARNI

Senior Robotic Joint Replacement Surgeon

M.S.ORTHO (KEM Hospital, Mumbai)

Joint replacement Surgery Fellowship (Seoul, Korea)

Advanced Hip & Knee Surgery Fellow (SICOT)

Ex. Asst. Professor BYL Nair Hospital, Mumbai



3,000+

Knee Replacement Surgeries

19+

Years of Experience

Dr. Sourabh Kulkarni is a distinguished orthopedic surgeon renowned for his expertise in Joint Replacement. With a deep commitment to patient care and a passion for innovation, he has become one of the few surgeons in Navi Mumbai to fully embrace Robotic Joint Replacement technology. His forward-thinking approach and technological acumen have made him a sought-after expert for those seeking precise knee and hip replacement surgeries.

By leveraging advanced robotic systems, Dr. Kulkarni ensures each procedure is conducted with exceptional accuracy, leading to superior patient outcomes. His meticulous attention to detail and dedication to ethical practice solidify his reputation as a visionary in the field.

Beyond his surgical prowess, Dr. Kulkarni contributes to orthopedic literature and serves as a mentor, shaping the next generation of surgeons. His blend of technical skill, and compassionate care positions him as a leader in orthopedic surgery.

OUR ORTHOROBO TEAM



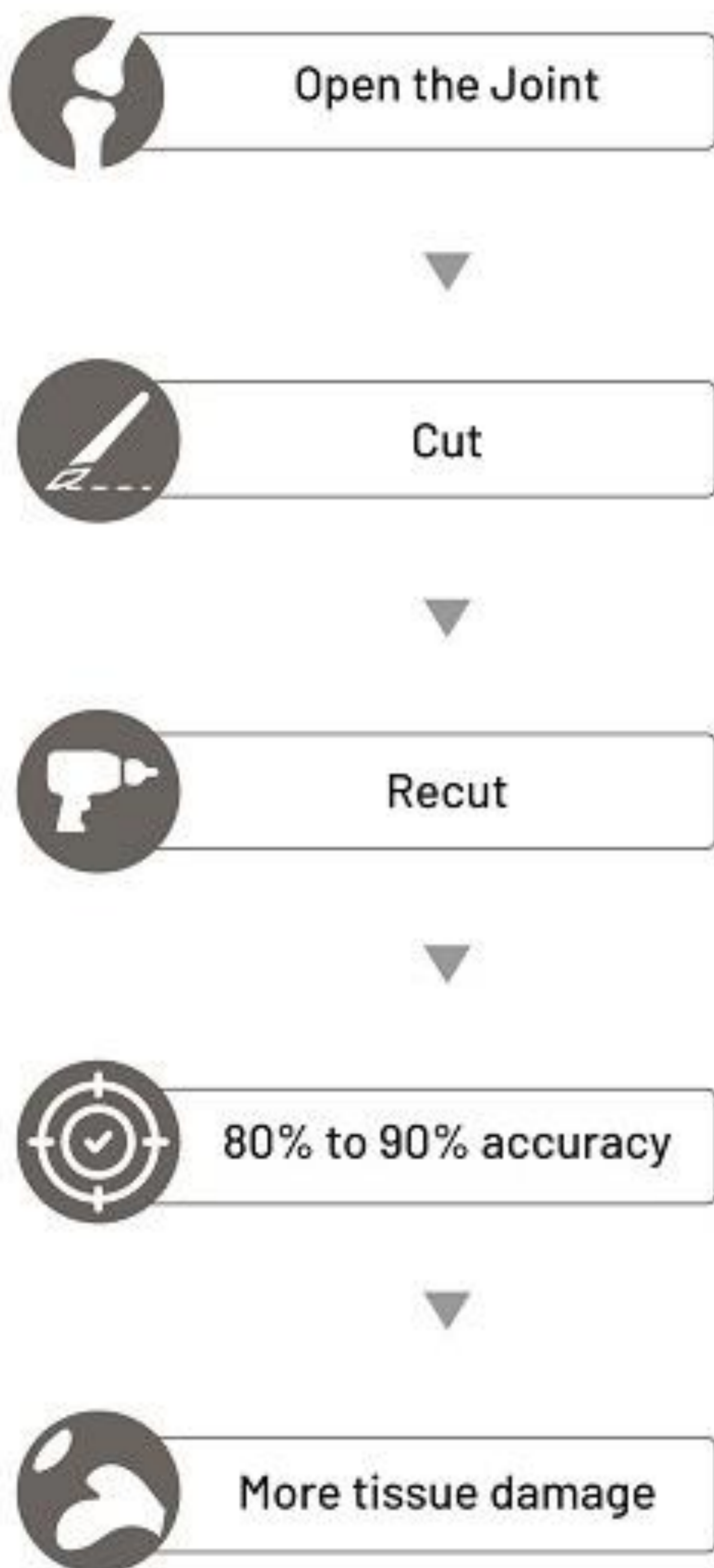
ROBOTICS AT WORK



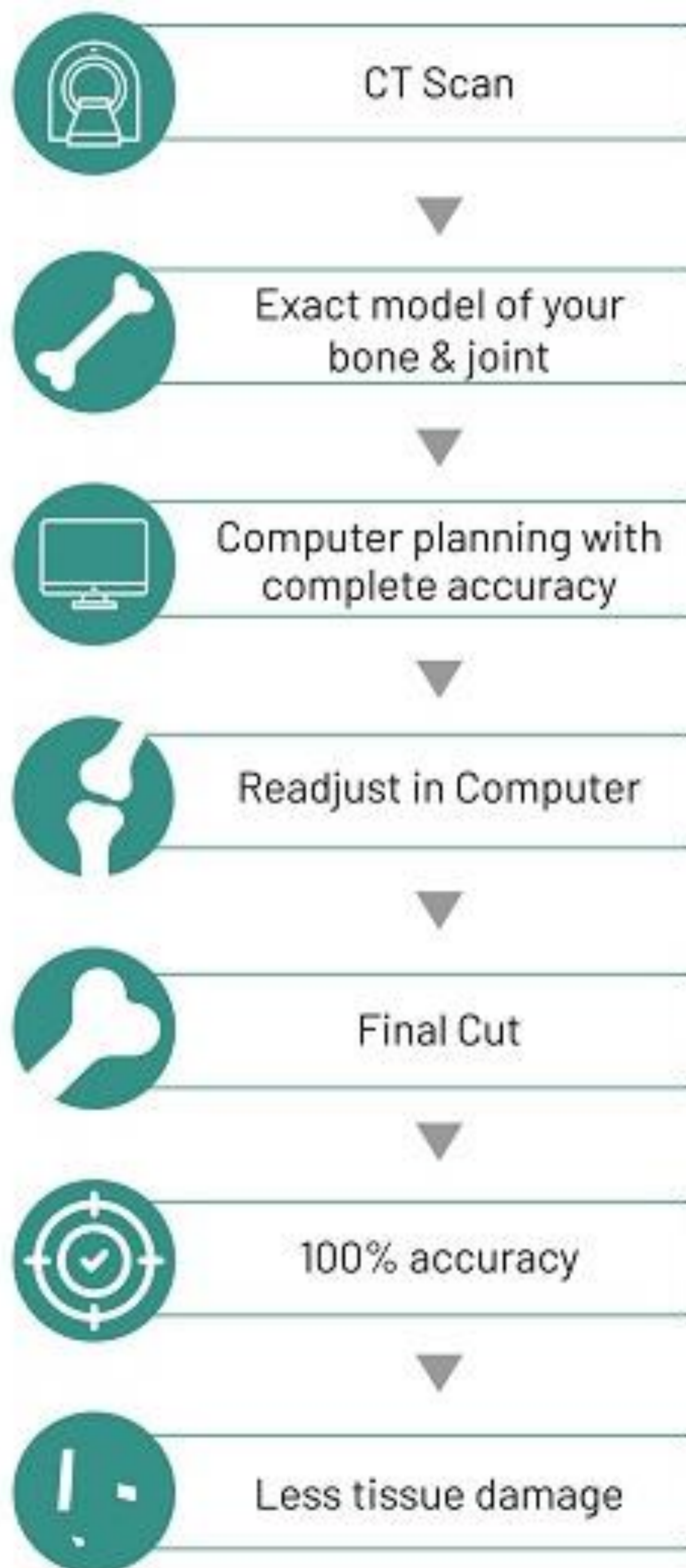
HOW IS ROBOTIC SURGERY BETTER THAN NORMAL KNEE REPLACEMENT?



Conventional TKR



Robotic



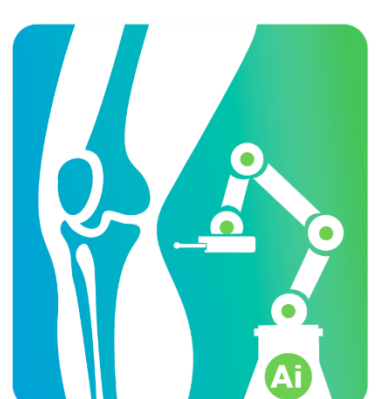
Dr. Sourabh Kulkarni's

OrthoRobo

THE ROBOTIC JOINT REPLACEMENT CENTER

WHY ROBOTIC SURGERY ?

12 REASONS



Dr. Sourabh Kulkarni's

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Why Choose
OrthoRobo
THE ROBOTIC JOINT REPLACEMENT CENTER

For Prevention of infections
We use
Advanced Surgical helmets



Advantages of Advanced Surgical helmets



- **DECREASED RISK OF INFECTION:**
Both from surgeon to patient and patient to surgeon
- **IMPROVED VISIBILITY**
Due to no need of mask or goggles
- **PROTECTION AGAINST AEROSOL**
- **INCREASED EFFICIENCY** of surgeon
- **REDUCED SURGICAL TIME**

At
OrthoRobo
THE ROBOTIC JOINT REPLACEMENT CENTER

We offer best implants



**Golden
knee**
(Co-Cr with TiNbN
coating)

Co-Cr knee
(Cobalt-Chromium
Alloy)



What is Golden knee ?

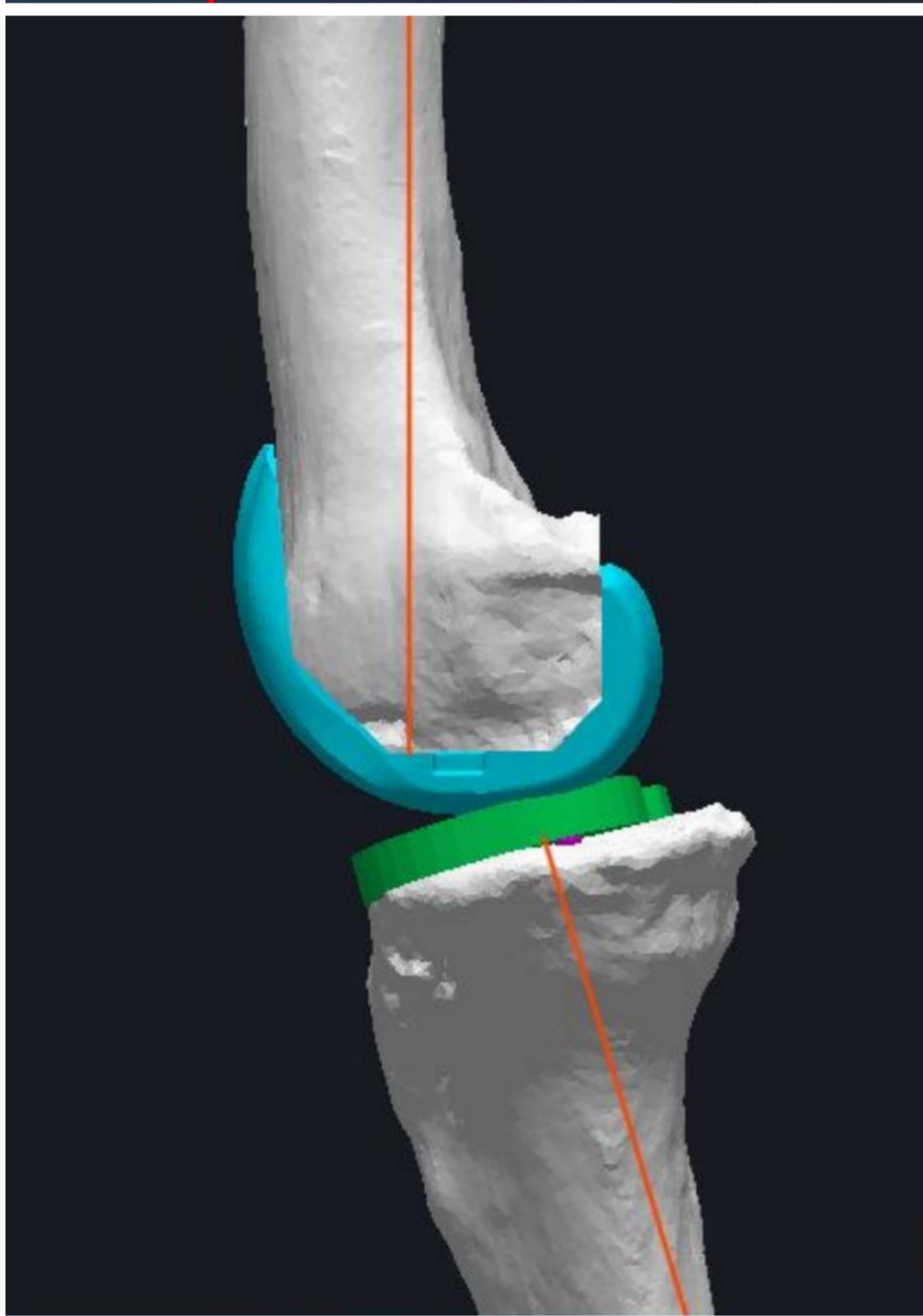
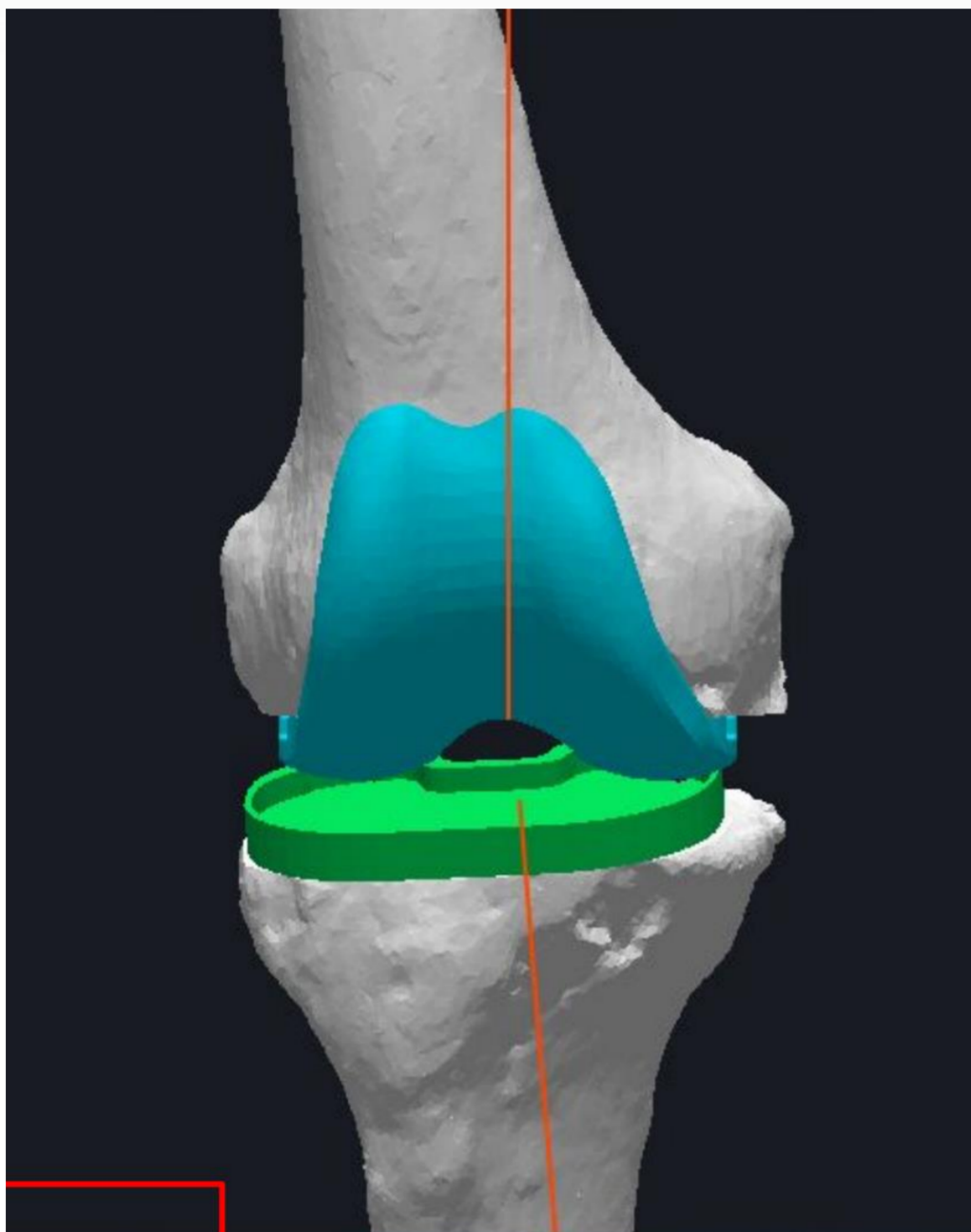
This is an Advanced Implant where Cobalt Chromium alloy implant is coated with Titanium metal (TiNbN coated Co-Cr knee)



Advantages

- **Less Allergy**
- **More Durability**
- **Longer Life of Implant**

Advantages Of Our Robot Over Other Robots



- Only **FULLY ACTIVE ROBOT** which cuts bone by itself
- Only Robot compatible with **GOLDEN KNEE IMPLANT**
- Uses **CT SCAN** to reconstruct patients 3D model and gives perfect sizing and implant position even before the surgery starts
- **SMALLEST SIZE** and footprint amongst all active robots



Dr. Sourabh Kulkarni's

OrthoRobo

THE ROBOTIC JOINT REPLACEMENT CENTER

**We Have
Dedicated
PHYSIOTHERAPY
DEPARTMENT**



Dr. Sourabh Kulkarni's

OrthoRobo

THE ROBOTIC JOINT REPLACEMENT CENTER

We are recognized **INTERNATIONALLY**



Surgeons from **Greece** Visited Shreeyash Hospital to witness **Advanced Robotic Knee Replacement**



Dr. Sourabh Kulkarni's
OrthoRobo
THE ROBOTIC JOINT REPLACEMENT CENTER

We are recognized **INTERNATIONALLY**



Visit of Surgeons from **Brazil**
to learn
Minimally Invasive Knee Replacement



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We are recognized **INTERNATIONALLY**



Guest Lecturer at **MALAYSIA ORTHOPAEDIC CONFERENCE**

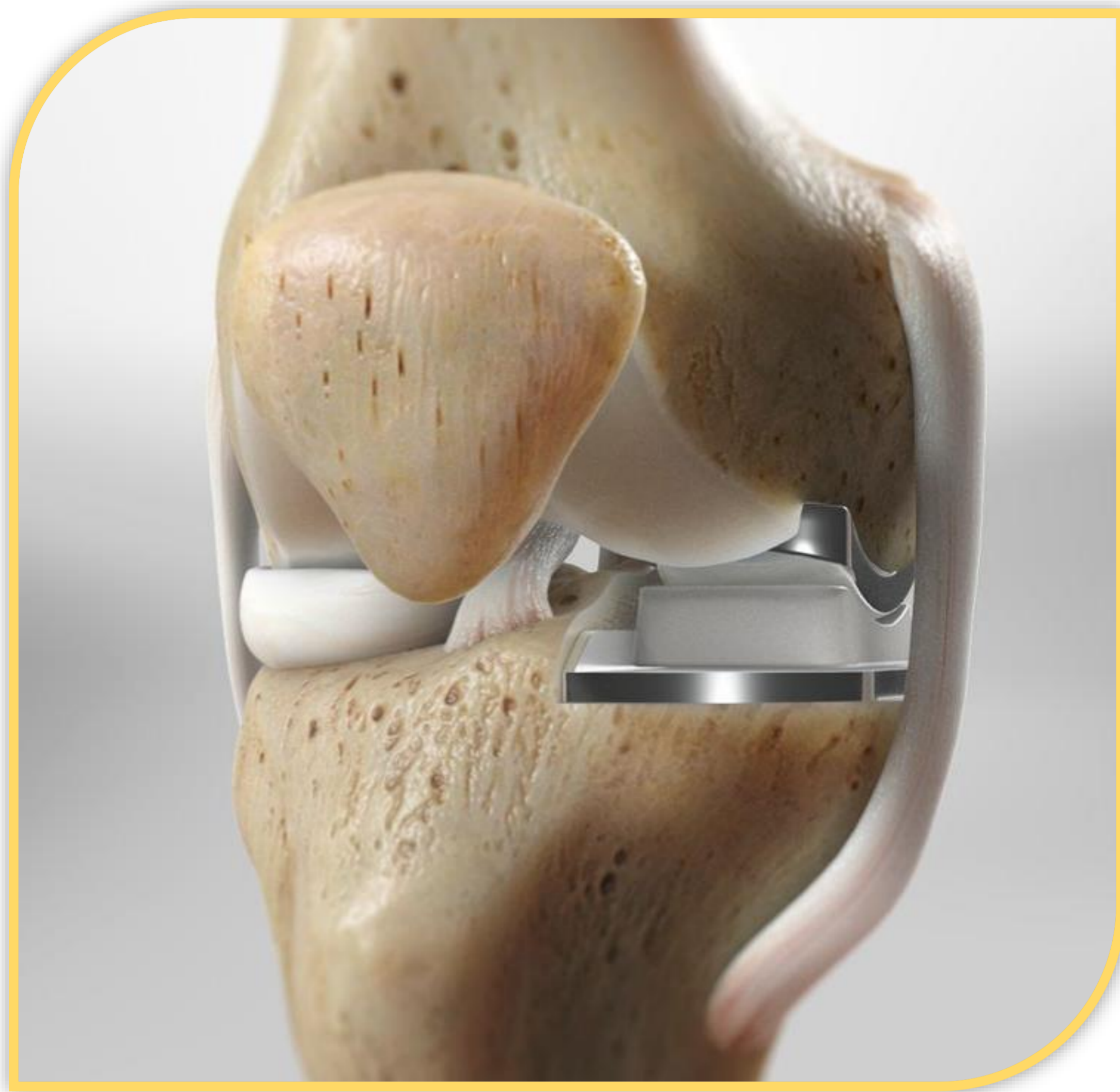


Dr. Sourabh Kulkarni's

OrthoRobo

THE ROBOTIC JOINT REPLACEMENT CENTER

We are
PIONEER
in
JOINT REPLACEMENT



We performed
First
OXFORD KNEE REPLACEMENT
In
PANVEL AND RAIGAD REGION
IN 2016



Dr. Sourabh Kulkarni's

OrthoRobo

THE ROBOTIC JOINT REPLACEMENT CENTER

We are
PIONEER
in
JOINT REPLACEMENT



First
ROBOTIC JOINT REPLACEMENT
SURGEON
In
PANVEL AND RAIGAD REGION

We are
PIONEER
in
JOINT REPLACEMENT

Maharashtra's First
MISSO ROBOTIC JOINT
REPLACEMENT SURGERY



MISSO
ROBOTIC SYSTEM

Meril

More to Life

Certificate of Appreciation

This is to proudly acknowledge that

Dr. Sourabh Kulkarni

(Joint Replacement Surgeon)

has successfully performed the **First MISSO Robotic Surgery** in Mumbai, showcasing exemplary surgical skills and dedication to patient care in the field of orthopedic joint replacement surgeries.

Manish Deshmukh
Chief Marketing Officer

**FUTURE
FORWARD**

Rajesh Pandey
Vice President





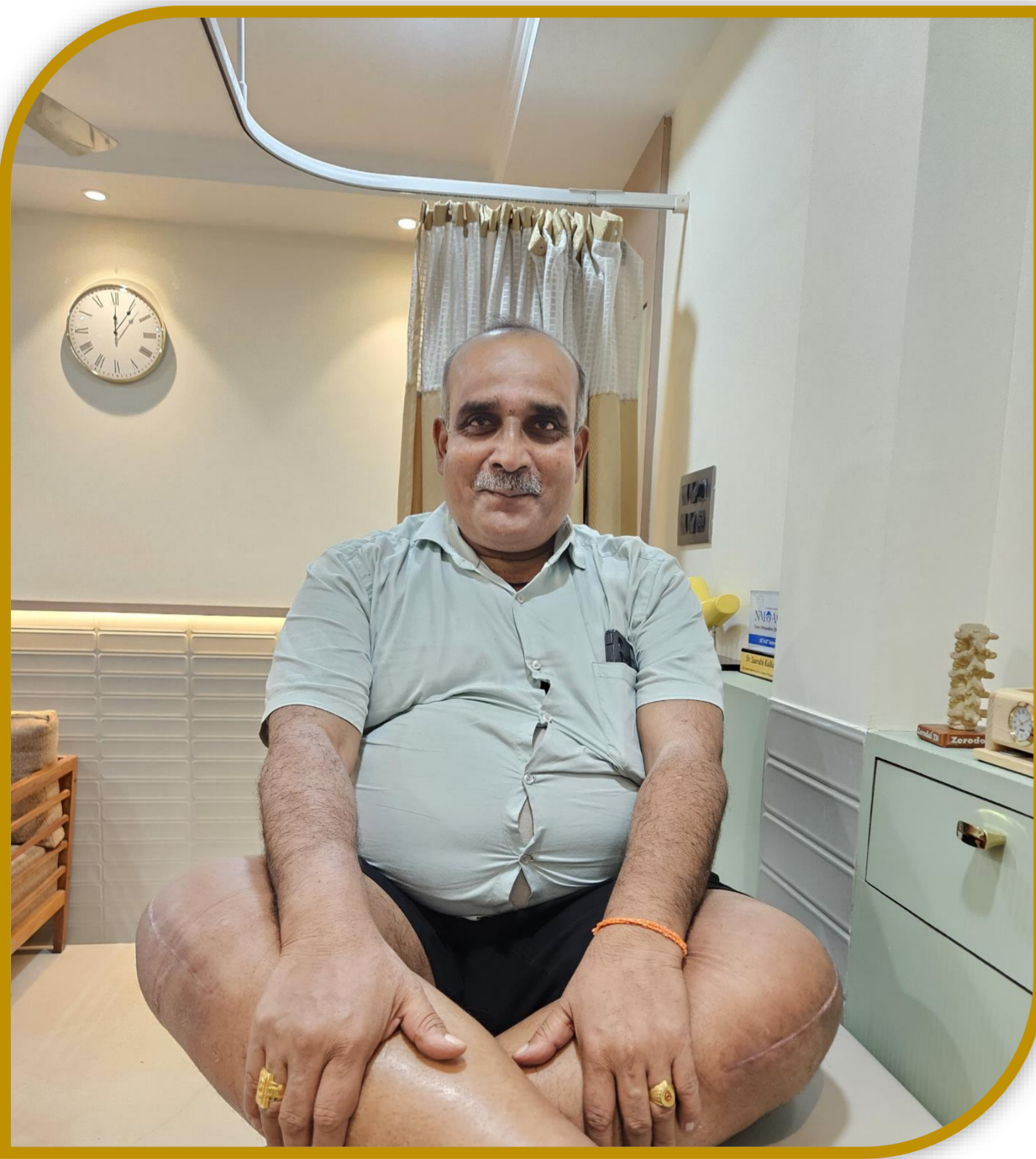
We Have Achieved Milestones



137 Kg KNEE REPLACEMENT



86yrs BOTH KNEE REPLACEMENT



117 Kg BOTH KNEE REPLACEMENTS



80yrs BOTH KNEE REPLACEMENT



Our HAPPY PATIENTS



Dr. Sourabh Kulkarni's
OrthoRobo
THE ROBOTIC JOINT REPLACEMENT CENTER

To Experience Future of Joint Replacement



VISIT US

Shreeyash Hospital

Orthopedic Trauma & Joint Replacement Center

Sector 19, Vijay Marg, Near Fire Station,
New Panvel (E)-410206, Navi Mumbai.

Contact: 7900330079